

YOSR BEN NAGRA

Full-Stack Developer

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Computer Science Engineering student experienced in full-stack development, AI integration, and DevOps practices. Delivered scalable web platforms, real-time collaboration features, and automation tools across multiple internships. Strong foundation in JavaScript/TypeScript (React, NestJS), Java/Spring Boot, and Python with a focus on clean architecture, testing, and continuous delivery.

Education

Engineering Degree (Computer Science) – Web and Internet Technology Track ESPRIT
(Private Higher School of Engineering and Technology), Tunis, Tunisia

Sep 2020 – Oct 2025

Relevant Work: Full-stack applications, AI integration, distributed systems.

Skills

Frontend: HTML5, CSS3, React.js | **Backend:** Node.js, NestJS, Flask, Spring Boot, REST APIs | **Programming:** JavaScript, TypeScript, Java, Python | **Databases:** SQL (schema design/optimization), MongoDB | **DevOps:** Git, CI/CD, Docker, Jenkins (exposure) | **Practices:** Agile, Clean architecture, Testing (unit/integration) | **Soft Skills:** Problem-solving, Team collaboration, Continuous learning

Internships

Full-Stack Developer Intern (End-of-Studies Internship)

ITServ

Feb 2025 – Aug 2025

ITServ is a consulting and service company specializing in ICT and software engineering.

Tasks

- Designed and developed a full-stack web platform integrating AI, DevOps, and Retrieval-Augmented Generation (RAG).
- Implemented an AI-powered symptom checker, blog for doctors, patient forum, and admin dashboard with an AI RAG pipeline.
- Applied DevOps practices (CI/CD, containerization, monitoring) and fine-tuned an AI model on medical datasets for improved diagnostic accuracy.
- Tech stack: ReactJS, NestJS, MongoDB, Python, Hugging Face, Docker, Jenkins.

Full-Stack Developer Intern

IronByte

Jun 2024 – Aug 2024

IronByte is specialized in the development of SaaS applications, and it's a small startup based in Tunisia.

Tasks

- Developed a web application for an educational institution enabling students to submit assignments and teachers to share lessons.
- Built features using NestJS, ReactJS, MongoDB, TypeScript, and JavaScript; added timetable creation tool improving scheduling efficiency.

Full-Stack Developer Intern

Ooredoo Tunisie

Jul 2023 – Sep 2023

Ooredoo Tunisie is a leading telecommunications operator in Tunisia.

Tasks

- Built an internal communication application with real-time chat, filtering, and search to streamline team collaboration.
- Developed front-end and back-end components using Spring Boot and Angular; added unit and integration tests for reliability.

Software Engineer Intern

ITServ

Jul 2021 – Sep 2021

ITServ is a consulting and service company specializing in ICT and software engineering.

Tasks

- Developed an automated code generation tool in Java.
- Implemented PDF and Excel to XML conversion to streamline data processing.
- Worked with Java and Eclipse IDE.

Languages

Arabic (Native), English (Fluent professional), French (Fluent professional)

Keywords: SQL, Python, Tableau, Looker, Power BI, dbt, Data Modeling, Forecasting, A/B Testing, Experiment Design, Cohort Analysis, ETL, Data Quality, KPI Dashboards, Stakeholder Reporting, Statistical Analysis, Churn Modeling, Feature Engineering, Segmentation, Revenue Analytics, SaaS Metrics, ARR Growth, Retention, Automation